
ततैया का जाल — विशिष्टि

(पहला पुनरीक्षण)

Wasp Trap — Specification

(First Revision)

ICS 67.260

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Apiary Industry Sectional Committee had been approved by the Food and Agriculture Division Council.

To control bee predatory *Vespa* species which attack bee colonies for their food, an easier and efficient way is to use wasp traps. Wasp trap is a wooden box resembling a beehive, outwardly, designed to trap wasps with the help of baits like fermented honey, jaggery, rotten fish, rotten fruits, putrefied meat and discarded brood count with little honey stores. Wasp traps should be placed preferably in the centre of the apiary (1 to 2 traps per apiary) during the period of activity of wasps.

Baits are placed in the lower chamber to attract wasps, which enter the trap through its entrance. The wasps enter the top cover through the central hole of the inner cover and are ultimately caught in the wire cage. The cage is then removed and wasps are destroyed.

This standard was originally published in the year 1974. This revision has been brought to keep pace with the latest technological developments and international practices. In this revision, dimensional requirements of the wasp trap have been specified separately for *Apis cerana* and *Apis mellifera* apiaries as per current industry practices. Apart from the above, the standard has been brought out in the latest style and format of the Indian Standards.

The composition of the Committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

WASP TRAP — SPECIFICATION

(*First Revision*)

1 SCOPE

This standard prescribes the material, dimensions and other requirements of wasp traps for *Apis cerana* and *Apis mellifera* apiaries.

2 REFERENCES

The standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards:

<i>IS No.</i>	<i>Title</i>
IS 399 : 1963	Classification of commercial timbers and their zonal distribution
IS 1515 : 2013	Beehives — Specification (<i>fourth revision</i>)

3 REQUIREMENTS

3.1 Essential Parts

Assembly of wasp trap is shown in Fig. 1. The wasp trap shall be placed on a suitable stand (*see* Fig. 1). Wasp trap shall consist of the following main parts:

- a) Wire gauze cage (*see* Fig. 2)
- b) Top cover (*see* Fig. 3A and 3B)
- c) Inner cover (*see* Fig. 4 A and 4B)
- d) Lower chamber (*see* Fig. 5A and 5B)

3.2 Shape and Dimensions

The wasp trap and its parts should conform as far as possible to the shape and dimensions as given in Fig. 1 to 5. Measurements given in Fig. 3A, 4A and 5A are applicable for wasp trap for *Apis cerana*, whereas those given in Fig. 3B, 4B and 5B are applicable for wasp trap for *Apis mellifera*.

3.3 Material

3.3.1 Wood

Well-seasoned timber, such as teak (*Tectona grandis* Linn.), piney (*Hardwickia pinnata* Roxb.), pine (*Pinus roxburghii* Roxb), kail (*Pinus wallichiana* A.B. Jacks) and toon (*Cedrela toona* Roxb.) (*see* IS 399) shall be used.

3.3.2 Wire

The wire used shall be galvanized mild steel wire of diameter 0.4 mm. There shall be 16 holes in one square centimetre screen area.

3.3.3 Bee Escape Gate

The details and dimensions of bee escape gate shall be as given in IS 1515.

3.4 Workmanship and Finish

The different parts of the trap should have smooth finish. Exterior surface shall be painted white, light blue, light green or yellow to prolong the life of the equipment. All joints shall be fixed with suitable synthetic wooden adhesive and sound to withstand normal use. The trap shall be suitably reinforced by side bars and supports.

4 PACKING AND MARKING

4.1 Packing

The different parts of the trap shall be packed in such a way as to protect them from damage in transit and during storage.

4.2 Marking

4.2.1 The following information shall be legibly and indelibly engraved on each wasp trap:

- a) Name of the manufacturer;
- b) Batch or code number; and

c) Registered trade-mark, if any.

4.2.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity

assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

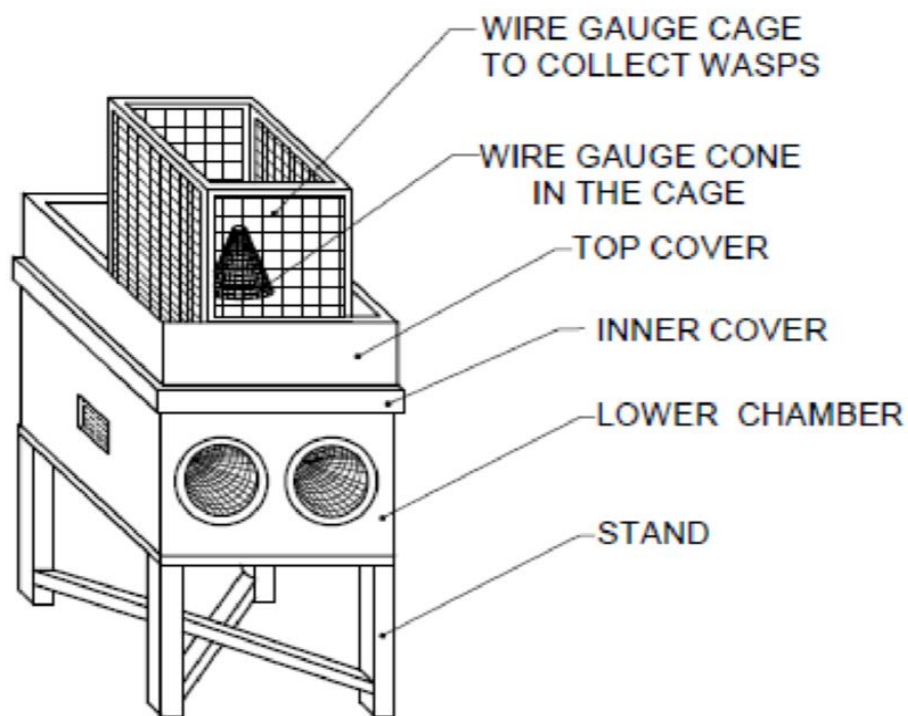
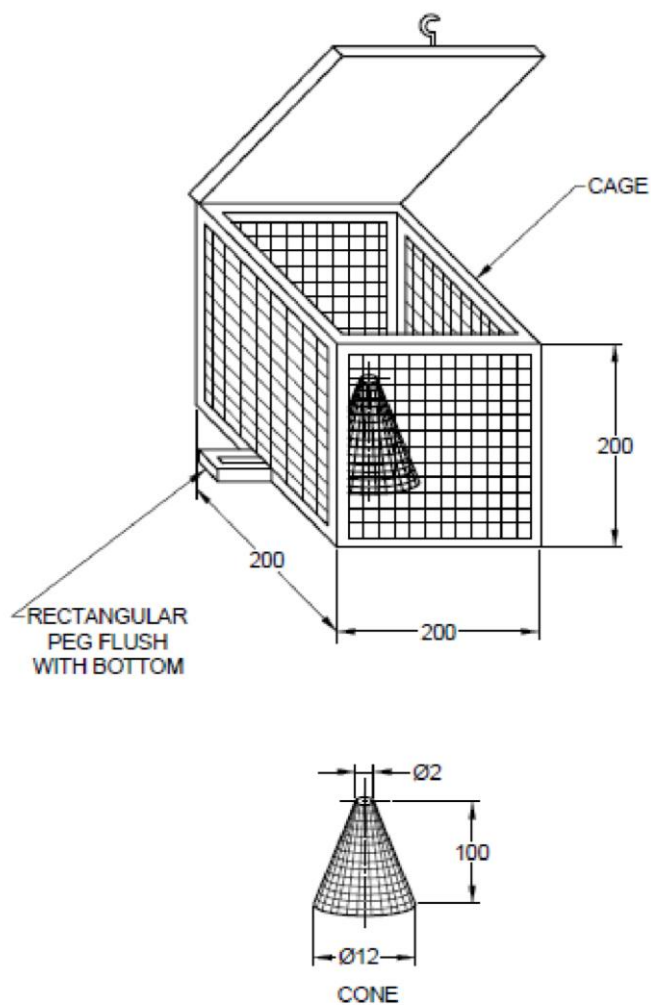
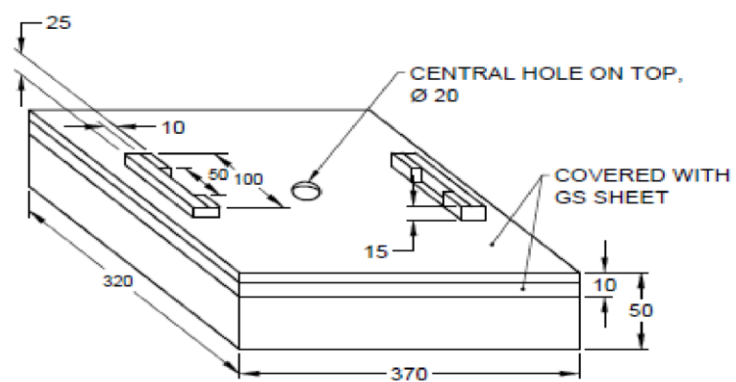


FIG. 1 ASSEMBLY OF WASP TRAP



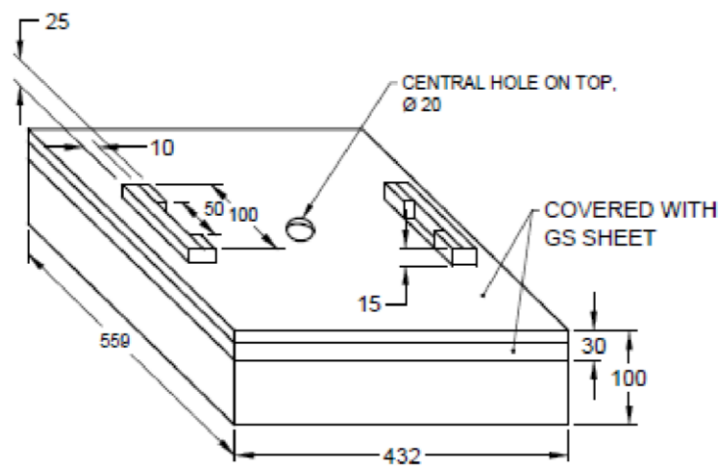
All dimensions in millimeters.

FIG. 2 WIRE GAUZE CAGE AND CONE



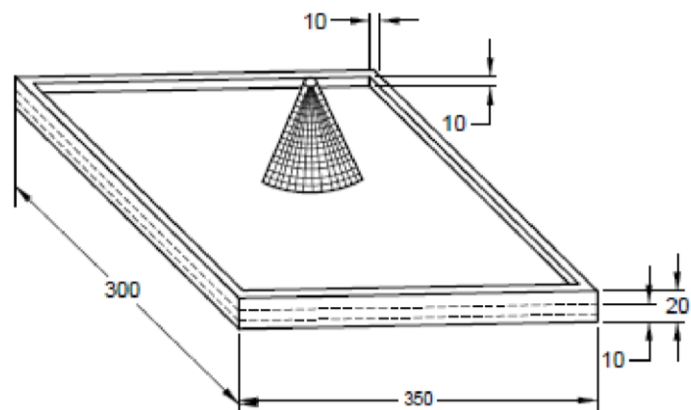
All dimensions in millimeters.

FIG. 3A TOP COVER



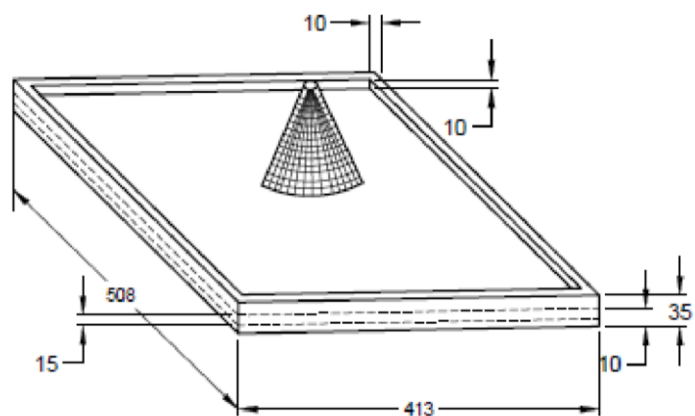
All dimensions in millimeters.

FIG. 3B TOP COVER



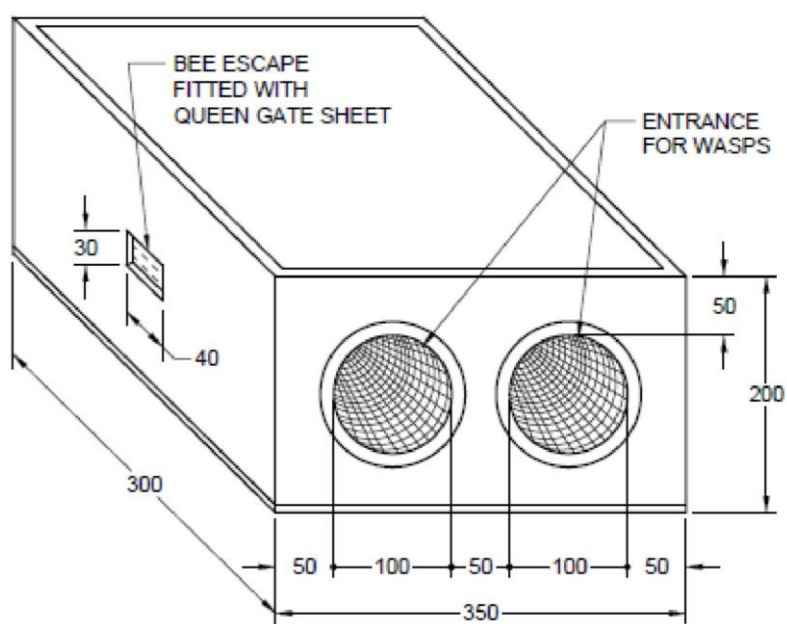
All dimensions in millimeters.

FIG. 4A INNER COVER



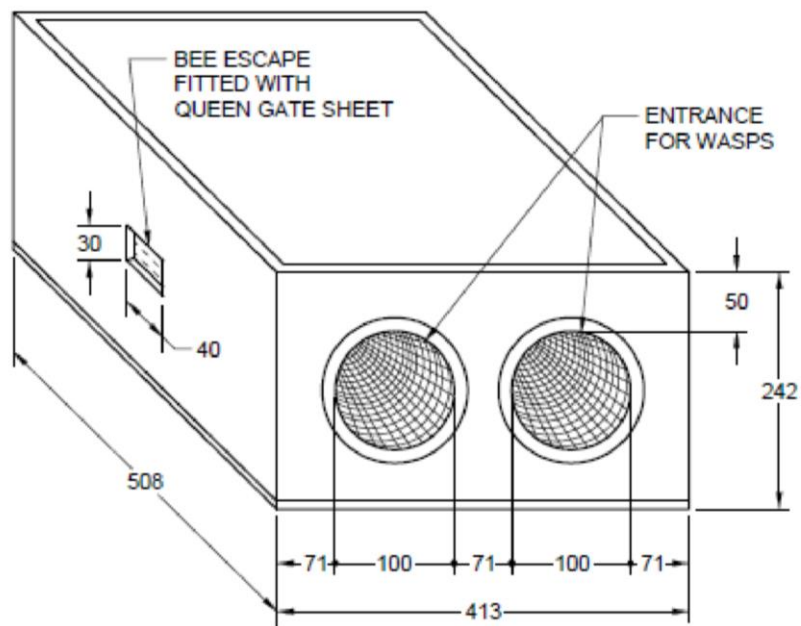
All dimensions in millimeters.

FIG. 4B INNER COVER



All dimensions in millimeters.

FIG. 5A LOWER CHAMBER



All dimensions in millimeters.

FIG. 5B LOWER CHAMBER

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Apiary Industry Sectional Committee, FAD 03

<i>Organization</i>	<i>Representative(s)</i>
Punjab Agricultural University, Ludhiana	PROF P. K CHHUNEJA (Chairperson)
All India Coordinated Research project (Honey bee & Pollinators), ICAR, New Delhi	DR K. M. KUMARANAG
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Mann Makhi Farm, Bathinda	SHRI GUCHARAN SINGH MANN SHRI DEEPINDER SINGH (<i>Alternate</i>)
National Bee Board, New Delhi	SHRI B. L. SARASWAT

<i>Organization</i>	<i>Representative(s)</i>
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Punjab Agricultural University, Ludhiana	DR JASPAL SINGH DR AMIT CHOUDHARY (<i>Alternate</i>)
Punjab Biotechnology Incubator Agri & Food Testing Laboratory, Mohali	DR AJIT DUA
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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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